

CoolSplice Connectors

TE CoolSplice connectors are designed to connect a pair of discrete wires, or a twin cord cable in line to a pair of discrete wires or twin cord cables. The insulation displacement, free hanging connectors accepts either 18 AWG or 20-22 AWG stranded or solid wire in unsealed and sealed, color coded configurations.

The TE CoolSplice connectors eliminate the need to pre-strip the insulation from the wire conductors and provides a visual controlled termination. The push connect buttons provide a more ergonomic wire termination than conventional twist-on-wire connectors/nuts (marrettes). The slim, symmetrical contoured, snag resistant connectors fit through a 16.00mm [0.630] diameter hole or pvc tube.

KEY FEATURES

- Simple push button termination
- Reliable and proven insulation displacement technology
- Terminates either 18 AWG [0.82mm square] or 20-22 AWG [0.52mm squared - 0.33mm squared] stranded or solid wire
- Left/right side independent terminations
- Available in unsealed and sealed versions
- IP65 and IP67 rating
- Slim-symmetrical glossy appearance
- Visually controlled termination
- UV stabilized material

APPLICATIONS

- Outdoor architectural lighting
- Commercial display cabinets lighting
- Commercial refrigeration lighting
- Residential and office furniture lighting
- Security/alarm systems

MECHANICAL

- -40°C to +85°C continuous operating temperature
- Terminates either 18 AWG [0.82mm square] or 20-22 AWG [0.52mm squared - 0.33mm squared] stranded and solid wire
- Accepts 5.6mm [.220] to 7.4mm [.291] diameter cable
- Cable entry diameter: 7.6mm [.300]
- Wire entry diameter: 3.0mm [.118]
- IP65 and IP67 rating
- Fits within a 16mm [.630] diameter hole

ELECTRICAL

- UL Current / Voltage Rating;
 - 18-20 AWG wire 5.0 A Max at 600 VAC/400 VDC
 - 22 AWG wire 3.5 A Max at 600 VAC/400 VDC
- Dielectric Withstand Voltage: 2000 VAC

MATERIALS

- Tin plated, copper alloy insulation displacement contacts
- UL 94V0 rated materials



AGENCY STANDARDS

- UL1977 and IEC 60998

APPLICATIONS AND SPECIFICATIONS

- Application Specification # - 114-19136
- Product Specification # - 108-19419
- Customer Drawing # - 293545

PRODUCT OFFERING

293545-1: Unsealed clear connector (green buttons), accepts 18 AWG wire

293545-2: Sealed clear connector (blue buttons), accepts 18 AWG wire

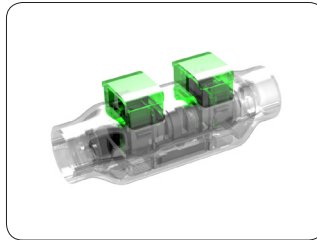
293545-3: Unsealed yellow connector (green buttons), accepts 20-22 AWG wire

293545-4: Sealed yellow connector (blue buttons), accepts 20-22 AWG wire

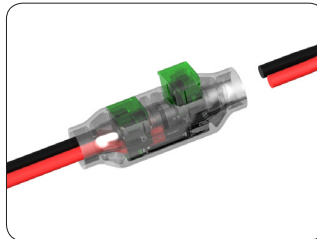
APPLICATION TOOLING

Standard Pliers

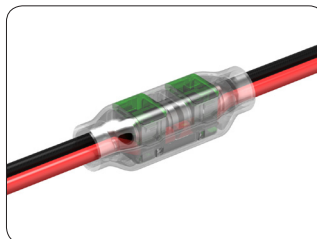
HOW CoolSplice CONNECTORS WORK



Open
Buttons are up (as shipped)



Insert wire
Press buttons to connect



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[293545-2](#)